

What is claimed is:

- 3) A spacecraft comprising:
a body;
a plurality of solar arrays;
a spacecraft radiator system comprising:
first and second opposite facing payload radiators;
first and second opposite facing deployable radiators; and
one or more coupling heat pipes that cross couple opposite facing payload and
deployable radiators.

5. A spacecraft heat dissipation method comprising the steps of:
 configuring a spacecraft to have a body, a plurality of solar arrays, first and second opposite facing payload radiators, first and second opposite facing deployable radiators, and loop heat pipes cross coupling opposite facing payload and deployable radiators;
 launching the spacecraft into orbit; and
 when in orbit, cross coupling heat coupled to the respective payload radiators to the opposite facing deployable radiator.